MuleSoft Course Content

Course Description:

MuleSoft is a global leading data integration platform for SaaS, SOA, and APIs. Mulesoft provides a remarkable business activity to IT industries by connecting applications, data sources, and devices, both on-premises and in the cloud with an API-led approach. Mulesoft ESB is a lightweight and highly scalable Java-based enterprise service bus. MuleSoft integration platform (Mule ESB & CloudHub) enables developers to deploy, develop, manage, secure, and reuse APIs to connect applications easily, quickly, and securely to exchange data. The future scope of Mulesoft is huge because it serves like any point platform.

Hachion mulesoft online training by skilled trainers will enhance your knowledge to have a successful path in career. To learn Mule candidates must have a basic knowledge of Java and eclipse. One with the basic idea of database and scripting languages like Ruby, Python, and JavaScript also helpful to learn the MuleSoft course. This course covers all core concepts such as DataWeave transformations, MuleSoft applications, API's, connecting to additional resources, etc. This course enhances your knowledge in designing, building, managing, and governing APIs on the Anypoint Platform. By the end of the course, learners will gain hands-on experience in developing integrations and APIs connections on the Anypoint platform.

Course Content:

Introduction to Application Networks and API-Led Connectivity

- Identifying the problems in the present IT industry
- Introduction to application network is and its benefits
- Introduction to building an application network using API-led connectivity
- Introduction to web services and API's
- Introduction to API directories and portals
- How to make calls to secure and unsecured APIs

Introducing Anypoint Platform

- Anypoint platform components
- What is the role of each component in building application networks
- Anypoint platform navigation
- Anypoint exchange - locate APIs and other assets needed to build integrations and APIs
- Flow designer - creating basic integrations to connect systems

Designing APIs

- RAML (Restful API Modeling Language)
- Defining APIs with RAML
- Crating mock APIs to test their design before they are built
- Make APIs discoverable by adding them to Anypoint exchange
- Creating API portals for developers to learn how to use APIs

Building APIs

- Define Mule applications
- Define flows
- Define messages
- Define message processors
- Create flows graphically using Anypoint Studio
- Building, running, and testing Mule applications
- Connect to databases using a connector
- Graphical DataWeave editor to transform data
- Create RESTful interfaces for applications from a RAML file
- Connect API interfaces to API implementations

Deploying and Managing APIs

- Options for deploying Mule applications
- Use properties in Mule applications
- Deploy Mule applications to CloudHub
- Create and deploy API proxies to CloudHub using API Manager
- Restrict access to API proxies

Accessing and Modifying Mule Messages

- Log message data
- How to debug Mule applications
- Read and write message properties
- Mule Expression Language (MEL)
- Write expressions with MEL
- Create variables

Structuring Mule Applications

- Create reference flows and subflows
- Pass messages between flows using the Java Virtual Machine (VM) transport
- Investigate variable persistence through subflows and flows and across transport barriers
- Encapsulate global elements in separate configuration files
- Explore the files and folder structure of Mule projects

Consuming Web Services

- Consume RESTful web services with and without parameters
- Consume RESTful web services that have RAML definitions
- Consume SOAP web services
- Use DataWeave to pass parameters to SOAP web services

Handling Errors

- Different types of exception strategies

- Handle messaging exceptions inflows
- Create and use global exception handlers
- Specify a global default exception strategy

Controlling Message Flow

- Route messages based on conditions
- Multicast messages
- Filter messages
- Validate messages

Writing DataWeave Transformations

- Write DataWeave expressions for basic and complex XML
- Write DataWeave expressions for JSON
- Write DataWeave expressions for Java transformations
- Store DataWeave transformations in external files
- Coerce and format strings, numbers, and dates
- Use DataWeave operators
- Define and use custom data types
- Call MEL functions and Mule flows from DataWeave transformations

Connecting to Additional Resources

- Connect to SaaS applications
- Connect to files
- Poll resources
- Connect to JMS queues
- Discover and install connectors not bundled with Anypoint Studio

Processing Records

- For each scope to process items in a collection
- Batch job element (EE) to process individual records
- Trigger batch jobs using polls
- Use batch jobs to synchronize data from legacy databases to SaaS applications